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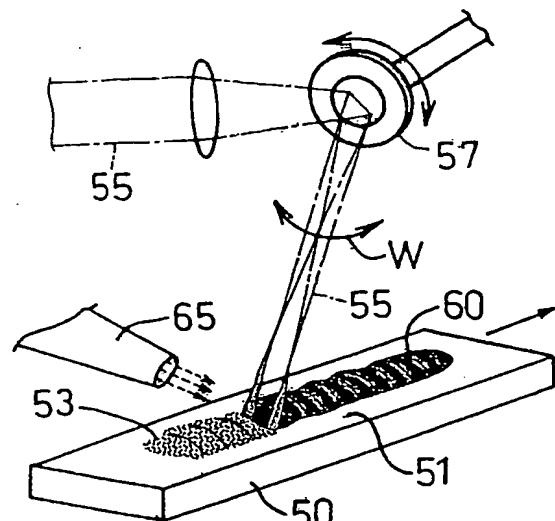
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(54) Title: WEAR-RESISTANT COPPER-BASED ALLOY



(57) Abstract: This aims to provide a wear-resistant copper-based alloy, which is advantages in not only enhancing wear resistance in a high temperature range but also enhancing crack resistance and machinability and which is especially suitable for forming a cladding layer. The wear-resistant copper-based alloy comprises, by weight, 4.7 to 22.0% nickel, 0.5 to 5.0% silicon, 2.7 to 22.0% iron, 1.0 to 15.0% chromium, 0.01 to 2.00% cobalt, 2.7 to 22.0% one or more of tantalum, titanium, zirconium and hafnium, and the balance of copper with inevitable impurities.

WO 2005/059190 A1

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